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	Application Number	10/568,279	
	Filing Date	July 7, 2005	
	First Named Inventor	GORDON JOHN ALLAN	
	Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	5	Attorney Docket Number	51959-1 /slr

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	1) Letter enclosing Corrected Version of PCT Published Application with excerpt from PCT Gazette - 4 pages
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	SMART & BIGGAR P.O. Box 2999, Station D, 900 - 55 Metcalfe Street, Ottawa, Ontario, K1P 5Y6, Canada		
Signature			
Printed name	R. Allan Brett		
Date	July 12, 2006	Reg. No.	40,476

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the			
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/568,279  
Applicant : Gordon John Allan  
Filed : July 7, 2005  
TC/A.U. : Unknown  
Examiner : Unknown

Confirmation No. 3290

Docket No. : 51959-1  
Customer No. : 07380

Commissioner for Patents  
Alexandria, VA 22313-1450  
U.S.A.

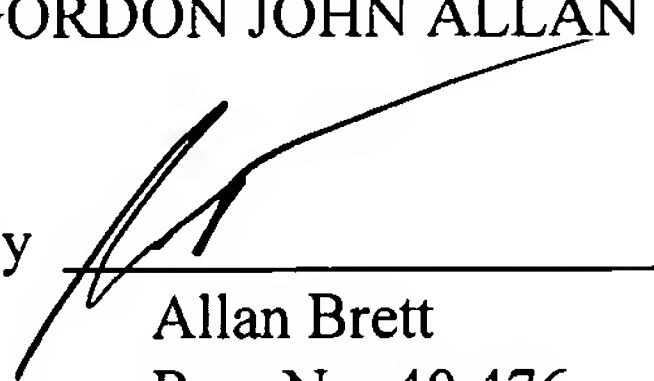
Dear Sir:

Further to our submission of February 15, 2006, containing a PCT National Phase Entry filing based on PCT/CA2005/001060 filed July 7, 2005, we now enclose a Corrected Version of the PCT Published application and the excerpt from the PCT Gazette which identifies the inventor's corrected name. We ask that you ensure that your records identify this on the Official Filing Receipt.

Respectfully submitted,

GORDON JOHN ALLAN

By

  
Allan Brett  
Reg. No. 40,476  
Tel.: (613) 232-2486

Date: July 12, 2006

RAB:slr  
Encl.

From the INTERNATIONAL BUREAU

**PCT**NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
APPLICATION AS PUBLISHED OR REPUBLISHED

To:

SMART & BIGGAR  
P.O. Box 2999, Station D  
Ottawa, ON K1P 5Y6  
CANADADate of mailing (*day/month/year*)  
23 March 2006 (23.03.2006)Applicant's or agent's file reference  
51959-2 /aba

## IMPORTANT NOTICE

International application No.  
PCT/CA2005/001060International filing date (*day/month/year*)  
07 July 2005 (07.07.2005)Priority date (*day/month/year*)  
08 July 2004 (08.07.2004)

Applicant

ALLAN, Gordon, John

The International Bureau transmits herewith the following documents:

copy of the international application as published by the International Bureau on under  
No. WOcopy of international application as republished by the International Bureau on 23 March 2006 (23.03.2006) under  
No. WO 2006/005165For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48)  
or (88) (*as the case may be*) on the front page of the attached document.The International Bureau of WIPO  
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1211 Geneva 20, Switzerland

Authorized officer

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## CORRECTED VERSION

**(19) World Intellectual Property Organization  
International Bureau**



## PCT

**(43) International Publication Date**  
**19 January 2006 (19.01.2006)**

**(10) International Publication Number**  
**WO 2006/005165 A1**

**(51) International Patent Classification<sup>7</sup>: H03L 7/06, 7/18**

**(21) International Application Number:**  
PCT/CA2005/001060

**(22) International Filing Date:** 7 July 2005 (07.07.2005)

**(25) Filing Language:** English

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**(74) Agent: SMART & BIGGAR; P.O. Box 2999, Station D,  
Ottawa, ON K1P 5Y6 (CA).**

**(81) Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,

MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,  
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,  
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
VN, YU, ZA, ZM, ZW.

**(84) Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *with international search report*

— with amended claims

**(48) Date of publication of this corrected version:**

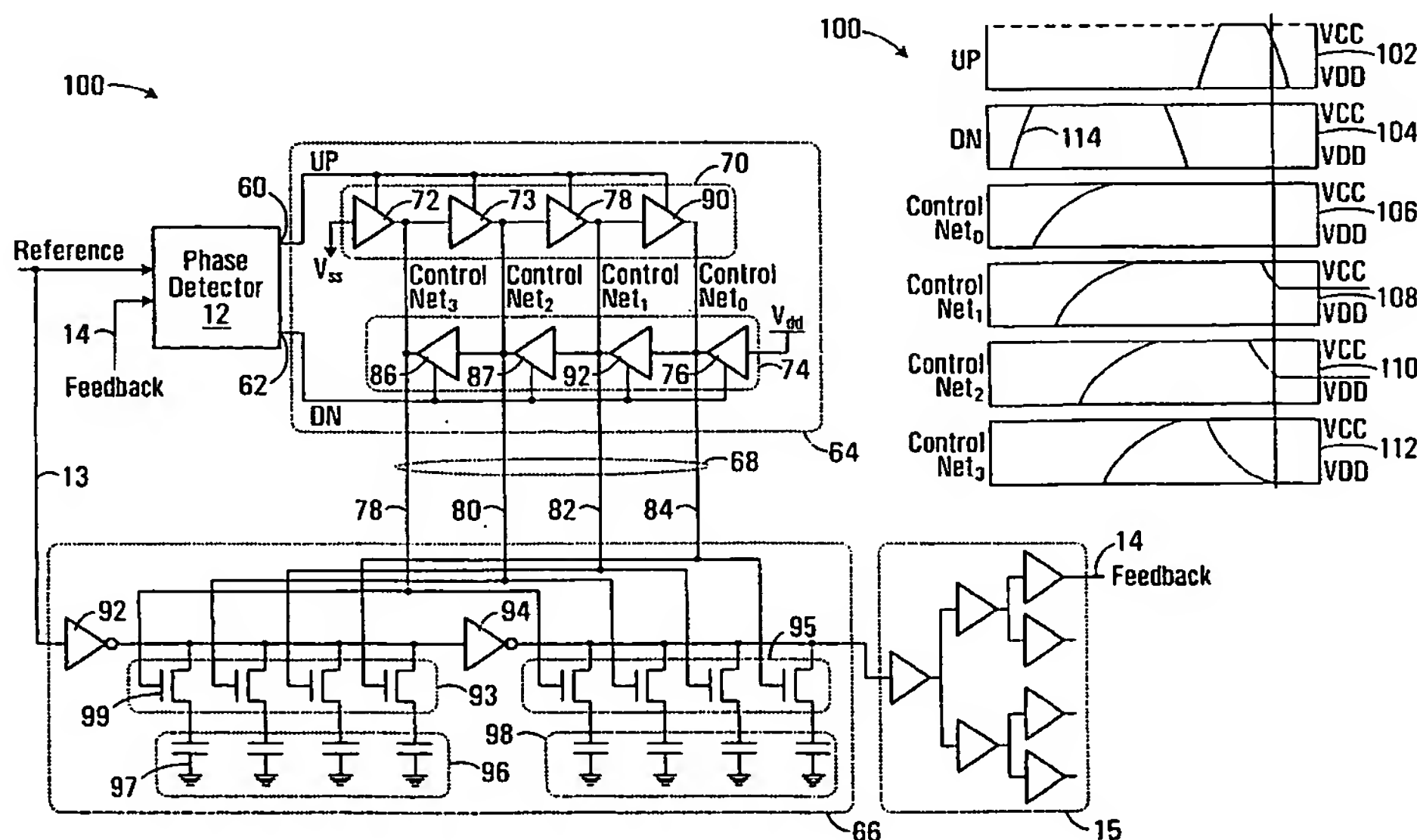
23 March 2006

**(15) Information about Correction:**

see PCT Gazette No. 12/2006 of 23 March 2006, Section II

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(54) Title:** MIXED-SIGNAL THERMOMETER FILTER, DELAY LOCKED LOOP AND PHASE LOCKED LOOP



**(57) Abstract:** Circuits for implementing a thermometer code in a mixed-signal fashion are provided. Each of a set of outputs can be digital or analog in a transition region. The mixedsignals can be used to control delay elements in a delay line for application in DLLs or PLL or clock de-skew circuits, or can be used to control voltage controlled oscillators. Two sets of driver elements are connected to the set of mixedsignal outputs and in a first control state, one of the sets drives the mixed-signal outputs sequentially to off states, while in another control state, the other of the sets drives the mixed-signal outputs sequentially to on states. Any mixed-signal that is not completely driven to its on or off state will generate an analog output.

**WO 2006/005165 A1**

*CORRECTIONS OF ENTRIES IN SECTION I (Continued)**CORRECTIONS DE RUBRIQUES DE LA SECTION I (Suite)*

International Publication Numbers Numéros de publication internationale	Gazette Issue Numbers Numéros de Gazette	Corrections
WO 2005/120109 <sup>(1)</sup>	50/2005	under (71) the name/address should read "NORTEL NETWORKS LIMITED; 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec H4S 2A9" sous le numéro (71) le nom/adresse doit se lire "NORTEL NETWORKS LIMITED; 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec H4S 2A9"
WO 2005/125115 <sup>(1)</sup>	52/2005	under (71) the name should read "RESEARCH IN MOTION LIMITED" sous le numéro (71) le nom doit se lire "RESEARCH IN MOTION LIMITED"
WO 2006/005165 <sup>(1)</sup>	03/2006	under (71, 72) the name/address should read "ALLAN, Gordon, John. 80 Sandcastle Drive, Suite 613, Ottawa, Ontario K2H 9E7 (CA)" sous les numéros (71, 72) le nom/adresse doit se lire "ALLAN, Gordon, John. 80 Sandcastle Drive, Suite 613, Ottawa, Ontario K2H 9E7 (CA)"
WO 2006/007233 <sup>(1)</sup>	03/2006	add "Declaration under Rule 4.17: - of inventorship (Rule 4.17(iv)) for US only." ajouter "Déclaration en vertu de la règle 4.17: - relative à la qualité d'inventeur (règle 4.17.iv)) pour US seulement."
WO 2006/007260 <sup>(1)</sup>	03/2006	under (72, 75) the name/address of "COFFEY, Christopher" should read "COFFEY, Christopher [US/US]; 444 South High School Road, Indianapolis, IN 46241 (US)." sous les numéros (72, 75) le nom/adresse de "COFFEY, Christopher" doit se lire "COFFEY, Christopher [US/US]; 444 South High School Road, Indianapolis, IN 46241 (US)."
WO 2006/007781 <sup>(1)</sup>	04/2006	under (30) replace "2004100547778.7" by "200410054778.7" sous le numéro (30) remplacer "2004100547778.7" par "200410054778.7"
WO 2006/012124 <sup>(1)</sup>	05/2006	under (30) replace "Not furnished" by "11/152,509"; under (63) replace "Not furnished" by "11/152,509" sous le numéro (30) remplacer "Non communiqué" par "11/152,509"; sous le numéro (63) remplacer "Non communiqué" par "11/152,509"
WO 2006/014319 <sup>(1)</sup>	06/2006	under (30) replace "Not furnished" by "11/170,613"; under (63) replace "Not furnished" by "11/170,613" sous le numéro (30) remplacer "Non communiqué" par "11/170,613"; sous le numéro (63) remplacer "Non communiqué" par "11/170,613"

(1) A corrected version of the front page of the corresponding pamphlet has been published on the same date as the present issue of the PCT Gazette.

(1) Une version corrigée de la page de couverture de la brochure correspondante a été publiée à la date de parution du présent numéro de la Gazette du PCT.